TIBCO™

How to run fp application
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Download & Install FP v3.9

https://reldist.tibco.com/package/fp/3.9.0/V5.1-GA/

Install under ~/tibco

- SW_HOME=~/tibco/fp/3.9/kis

- Add the following lines to PATH

  - $SW_HOME/distrib/kabira/bin

  - $SW_HOME/distrib/kabira/scripts

  - $SW_HOME/distrib/kabira/kpsa/scripts

- Go to /opt/kabira/users/<your username>
- Create a directory, say test
- Go to test directory
- Run
  - provadmin run sample

NOTE: All process gets stopped if no issues

What is there in test directory?

After running sample app, the following are left
- saved
- checkpoints

saved contains
- conf => the configuration files for the app
- log => contains the log files

$SW_HOME/distrib/kabira/kpsa/samples/prov/conf

- The provisioning files

- Created in Studio

  - eclipse based

  - separate installer

- Contains the workflow

- Interacts with Northbound and Southbound apps

Flows used in sample app

Loading hlralcatelr5.bpmn

Loading pof04-HLRActivatePOF.bpmn

Loading pof04-RegisterLine.bpmn

Loading pof04-VMActivate.bpmn

Loading pof04-VoiceActivate.bpmn

Loading pof04-VoiceActivateIncluded.bpmn

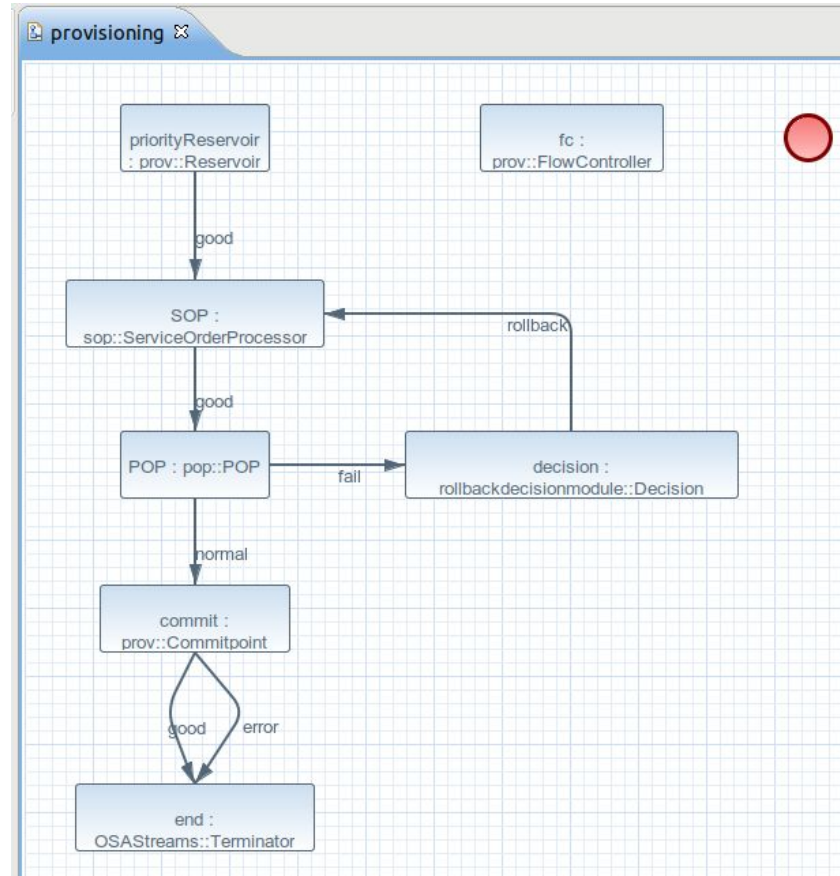Loading pof04-VoiceDeActivate.bpmn

Loading pof04-VoiceModify.bpmn

Loading provisioning.bpmn

Loading vms.bpmn

- An xml files
- Acronyms
  - hlr => Home Location Register
  - vms => Voice Messaging System
  - pof => Product Order Flow
  - provisioning => main flow
- Actions / Verbs
  - Activate
  - DeActivate
  - Modify

```xml
<?xml version="1.0" encoding="UTF-8"?>
<bpmn2:definitions xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:bpmn2="http://www.omg.org/spec/BPMN/2010052<
  <bpmn2:process id="Process_1" tns:version="1" tns:packageName="defaultPackage">
    <bpmn2:task id="priorityReservoir" name="priorityReservoir : prov::Reservoir">
      <bpmn2:outgoing>SequenceFlow_1</bpmn2:outgoing>
      <bpmn2:property id="P2" name="escalationInterval=1000"/>
      <bpmn2:property id="P3" name="controllerName=fc"/>
    </bpmn2:task>
    <bpmn2:task id="fc" name="fc : prov::FlowController">
      <bpmn2:property id="P2" name="hiWaterMark=18"/>
    </bpmn2:task>
    <bpmn2:task id="POP" name="POP : pop::POP">
      <bpmn2:incoming>SequenceFlow_23</bpmn2:incoming>
      <bpmn2:outgoing>SequenceFlow_28</bpmn2:outgoing>
      <bpmn2:outgoing>SequenceFlow_30</bpmn2:outgoing>
      <bpmn2:property id="P2" name="controllerName=fc"/>
    </bpmn2:task>
    <bpmn2:sequenceFlow id="SequenceFlow_28" tns:priority="1" name="fail" sourceRef="POP" targetRef="decision"/>
    <bpmn2:sequenceFlow id="SequenceFlow_30" tns:priority="1" name="normal" sourceRef="POP" targetRef="commit"/>
    <bpmn2:task id="end" name="end : OSAStreams::Terminator">
      <bpmn2:incoming>SequenceFlow_34</bpmn2:incoming>
      <bpmn2:incoming>SequenceFlow_35</bpmn2:incoming>
    </bpmn2:task>
    <bpmn2:endEvent id="EndEvent_2"/>
    <bpmn2:task id="decision" name="decision : rollbackdecisionmodule::Decision">
      <bpmn2:incoming>SequenceFlow_28</bpmn2:incoming>
      <bpmn2:outgoing>SequenceFlow_26</bpmn2:outgoing>
```

Loading cpr.def

Loading cps.def

Loading kop-1.0.0.def

Loading kop-1.1.0.def

Loading xdsl.def

- cpr / cps => catalog
- kop => contains list of resources to load
- kop-1.1.0 => the latest version

- config.ini => where the main flow is configured

- Default is provisioning.bpmn

Cartridges

cesrouter.trn

hlralcatelr5.trn

vms.trn

createCarts.tst

deleteCarts.tst

fwriter.ini

- Manage connections with low level NE
- Translate tasks into concrete messages & send them to specific NE such as UDP, TCP, Telnet, and HTTP
- All configurations specified in createCarts.tst
- fwriter.ini => log configuration for cartAdmin*log cartOrderTracing*log

Loading kpsastats-default.ini

Loading Shared_Memory.ini

Loading SO_in_queue.ini

Loading SO_number.ini

Loading SO_processing_time.ini

Loading WO_number.ini

Loading WO_processing_time.ini

- Statistics collected from these configurations

Defines mappers needed by the application in

mapping.dm

- Deployment specification specified in fp.kds

- Can reuse specification defined in .kes files

Typical sequence for a development environment is:

- Install and start all of the components

- Reload check-pointed service orders so they execute before

  new work

- Enable the driver modules so new orders can enter the flow

Thank you